

401 KAR 61:155. Existing pneumatic rubber tire manufacturing plants.

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
Department for Environmental Protection
Division for Air Quality

RELATES TO: KRS 224.20-100, 224.20-110, 224.20-120, 42 USC 7401 et. seq.,
42 USC 7407, 42 USC 7408, 42 USC 7410

STATUTORY AUTHORITY: KRS 224.10-100

NECESSITY AND FUNCTION: KRS 224.10-100 requires the Natural Resources and Environmental Protection Cabinet to prescribe regulations for the prevention, abatement, and control of air pollution. 42 USC 7410 likewise requires the state to implement standards for national primary and secondary ambient air quality. This regulation provides for the control of volatile organic compound emissions from existing pneumatic rubber tire manufacturing plants.

Section 1. Definitions.

As used in this regulation, all terms not defined in this section shall have the meaning given to them in 401 KAR 61:001.

(1) "Affected facility" means undertread cementers, tread end cementers, bead dip tanks, and green tire spray booths associated with the manufacture of pneumatic rubber tires.

(2) "Manufacture of pneumatic rubber tires" means the mass production of pneumatic rubber tires.

(3) "Pneumatic rubber tires" means agricultural, airplane, industrial, mobile home, light and medium duty truck, and passenger vehicle tires of bead diameter up to .51 m (twenty (20) in) and cross-sectional dimension up to .33 m (12.8 in).

(4) "Classification date" means February 4, 1981.

(5) "Water based sprays" means release compounds, sprayed on the inside and outside of green tires, in which solids, water, and emulsifiers have been substituted for organic solvents.

Section 2. Applicability.

This regulation shall apply to each affected facility commenced before the classification date defined in Section 1 of this regulation which is located in a county or portion of a county which is designated ozone nonattainment, for any nonattainment classification except marginal, under 401 KAR 51:010.

Section 3. Standard for VOCs.

The owner or operator of an affected facility shall install, maintain and operate capture and control equipment to achieve the following:

(1) Emissions from undertread cementers, tread end cementers and bead dip tanks shall be reduced by at least seventy-six (76) percent; and

(2) Emissions from green tire spray booths shall be reduced by at least eighty-one (81) percent. This requirement shall not apply to green tire spray booths using water based sprays.

Section 4. Compliance.

Compliance shall be determined based upon an engineering analysis by the cabinet of the control system design, control device efficiency, control system capture efficiency and any other factors that may influence the performance of the system. If requested by the cabinet, performance tests specified by the cabinet shall be conducted to determine the efficiency of the control device. Capture efficiency shall be determined by procedures specified in 401 KAR 50:047.

Section 5. Compliance Timetable.

(1) Affected facilities which were subject to this regulation as in effect on February 4, 1981, shall have achieved final compliance by December 31, 1982.

(2) The owner or operator of an affected facility that becomes subject

to this regulation on or after the effective date of this regulation shall be required to complete the following:

(a) A final control plan for achieving compliance with this regulation shall be submitted no later than three (3) months after the date the affected facility becomes subject to this regulation.

(b) The control system contract shall be awarded no later than five (5) months after the date the affected facility becomes subject to this regulation.

(c) On-site construction or installation of emission control equipment shall be initiated no later than seven (7) months after the date the affected facility becomes subject to this regulation.

(d) On-site construction or installation of emission control equipment shall be completed no later than eleven (11) months after the date the affected facility becomes subject to this regulation.

(e) Final compliance shall be achieved no later than twelve (12) months after the date the affected facility becomes subject to this regulation.

(f) If an affected facility becomes subject to this regulation because it is located in a county previously designated nonurban nonattainment or redesignated in 401 KAR 51:010 after November 15, 1990, final compliance may be extended to May 31, 1995, and the schedule in paragraphs (a) through (d) of this subsection adjusted by the cabinet.

Effective Date: June 24, 1992

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	FEB 05, 1981	NOV 24, 1981	46 FR 57486
		MAR 30, 1983	48 FR 13168
1st Revision	OCT 20, 1992	JUN 23, 1994	59 FR 32343